



Report No.: SUHR/2022/1001001

Rev.: 01

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Appendix



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Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	ERP(dBm)	Limit(dBm)	Verdict
Band5	1.4MHz	QPSK	20407	1RB#0	23.78	16.78	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#2	23.97	16.97	38.45	PASS
Band5	1.4MHz	QPSK	20407	1RB#5	23.33	16.33	38.45	PASS
Band5	1.4MHz	QPSK	20407	6RB#0	22.58	15.58	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	23.85	16.85	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#2	23.94	16.94	38.45	PASS
Band5	1.4MHz	QPSK	20525	1RB#5	23.67	16.67	38.45	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	22.92	15.92	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	24.02	17.02	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#2	24.02	17.02	38.45	PASS
Band5	1.4MHz	QPSK	20643	1RB#5	23.72	16.72	38.45	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	22.93	15.93	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	22.26	15.26	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#2	22.48	15.48	38.45	PASS
Band5	1.4MHz	16QAM	20407	1RB#5	22.29	15.29	38.45	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	21.72	14.72	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	22.89	15.89	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#2	22.65	15.65	38.45	PASS
Band5	1.4MHz	16QAM	20525	1RB#5	22.80	15.80	38.45	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	21.98	14.98	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	22.83	15.83	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#2	22.74	15.74	38.45	PASS
Band5	1.4MHz	16QAM	20643	1RB#5	22.78	15.78	38.45	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	22.16	15.16	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#0	23.53	16.53	38.45	PASS



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Band5	3MHz	QPSK	20415	1RB#8	23.52	16.52	38.45	PASS
Band5	3MHz	QPSK	20415	1RB#14	23.53	16.53	38.45	PASS
Band5	3MHz	QPSK	20415	15RB#0	22.65	15.65	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#0	23.75	16.75	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#8	24.06	17.06	38.45	PASS
Band5	3MHz	QPSK	20525	1RB#14	24.08	17.08	38.45	PASS
Band5	3MHz	QPSK	20525	15RB#0	22.89	15.89	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#0	23.87	16.87	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#8	23.82	16.82	38.45	PASS
Band5	3MHz	QPSK	20635	1RB#14	23.90	16.90	38.45	PASS
Band5	3MHz	QPSK	20635	15RB#0	22.96	15.96	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#0	22.55	15.55	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#8	22.38	15.38	38.45	PASS
Band5	3MHz	16QAM	20415	1RB#14	22.53	15.53	38.45	PASS
Band5	3MHz	16QAM	20415	15RB#0	21.77	14.77	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#0	22.51	15.51	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#8	23.33	16.33	38.45	PASS
Band5	3MHz	16QAM	20525	1RB#14	23.36	16.36	38.45	PASS
Band5	3MHz	16QAM	20525	15RB#0	22.15	15.15	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#0	22.91	15.91	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#8	22.67	15.67	38.45	PASS
Band5	3MHz	16QAM	20635	1RB#14	22.88	15.88	38.45	PASS
Band5	3MHz	16QAM	20635	15RB#0	21.95	14.95	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#0	23.62	16.62	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#12	23.59	16.59	38.45	PASS
Band5	5MHz	QPSK	20425	1RB#24	23.40	16.40	38.45	PASS
Band5	5MHz	QPSK	20425	25RB#0	22.64	15.64	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#0	23.65	16.65	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#12	24.00	17.00	38.45	PASS
Band5	5MHz	QPSK	20525	1RB#24	23.57	16.57	38.45	PASS



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Band5	5MHz	QPSK	20525	25RB#0	22.90	15.90	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#0	23.61	16.61	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#12	23.62	16.62	38.45	PASS
Band5	5MHz	QPSK	20625	1RB#24	23.87	16.87	38.45	PASS
Band5	5MHz	QPSK	20625	25RB#0	22.88	15.88	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#0	22.40	15.40	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#12	22.52	15.52	38.45	PASS
Band5	5MHz	16QAM	20425	1RB#24	22.25	15.25	38.45	PASS
Band5	5MHz	16QAM	20425	25RB#0	21.74	14.74	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#0	22.70	15.70	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#12	23.31	16.31	38.45	PASS
Band5	5MHz	16QAM	20525	1RB#24	22.67	15.67	38.45	PASS
Band5	5MHz	16QAM	20525	25RB#0	22.05	15.05	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#0	22.82	15.82	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#12	22.63	15.63	38.45	PASS
Band5	5MHz	16QAM	20625	1RB#24	22.41	15.41	38.45	PASS
Band5	5MHz	16QAM	20625	25RB#0	21.86	14.86	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#0	23.66	16.66	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#24	23.45	16.45	38.45	PASS
Band5	10MHz	QPSK	20450	1RB#49	23.76	16.76	38.45	PASS
Band5	10MHz	QPSK	20450	50RB#0	22.70	15.70	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#0	23.66	16.66	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#24	23.98	16.98	38.45	PASS
Band5	10MHz	QPSK	20525	1RB#49	23.79	16.79	38.45	PASS
Band5	10MHz	QPSK	20525	50RB#0	22.93	15.93	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#0	23.86	16.86	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#24	23.85	16.85	38.45	PASS
Band5	10MHz	QPSK	20600	1RB#49	23.92	16.92	38.45	PASS
Band5	10MHz	QPSK	20600	50RB#0	22.78	15.78	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#0	22.56	15.56	38.45	PASS



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Band5	10MHz	16QAM	20450	1RB#24	22.44	15.44	38.45	PASS
Band5	10MHz	16QAM	20450	1RB#49	22.76	15.76	38.45	PASS
Band5	10MHz	16QAM	20450	50RB#0	21.76	14.76	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#0	22.48	15.48	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#24	22.87	15.87	38.45	PASS
Band5	10MHz	16QAM	20525	1RB#49	22.78	15.78	38.45	PASS
Band5	10MHz	16QAM	20525	50RB#0	21.79	14.79	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#0	22.86	15.86	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#24	22.61	15.61	38.45	PASS
Band5	10MHz	16QAM	20600	1RB#49	22.67	15.67	38.45	PASS
Band5	10MHz	16QAM	20600	50RB#0	21.89	14.89	38.45	PASS



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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	10MHz	QPSK	20450	50RB#0	5.40	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.02	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.68	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.18	13	PASS
Band5	10MHz	16QAM	20525	50RB#0	5.82	13	PASS
Band5	10MHz	16QAM	20600	50RB#0	6.34	13	PASS



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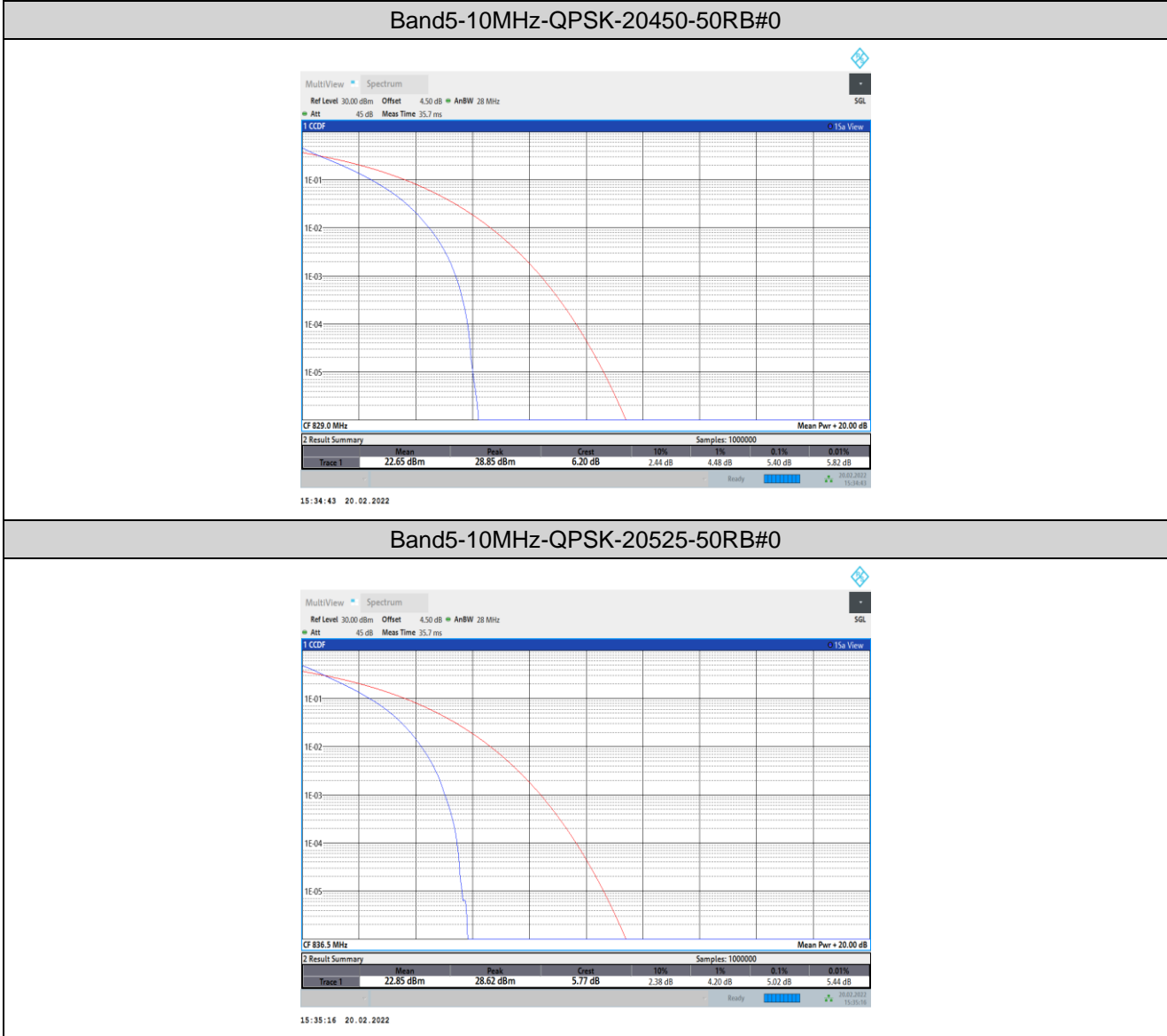
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Test Graphs



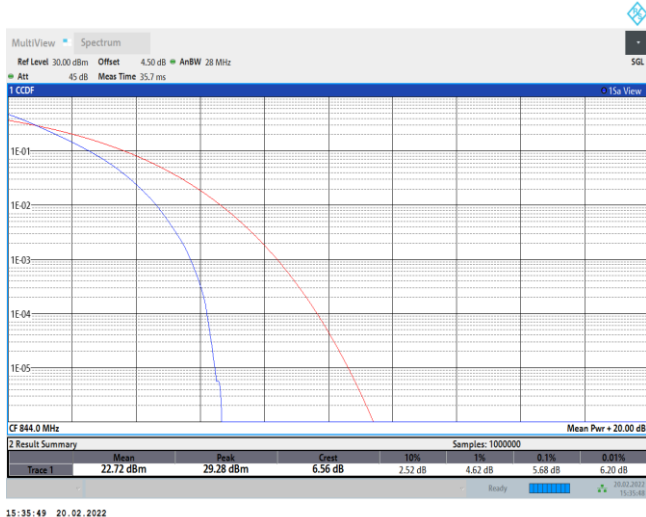
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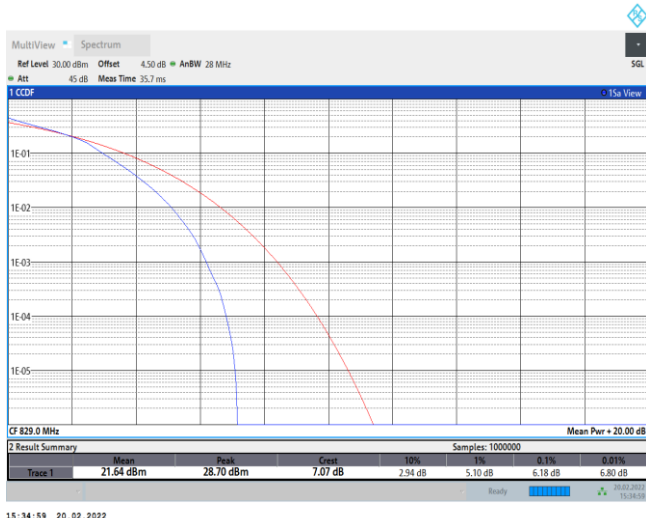
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Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0

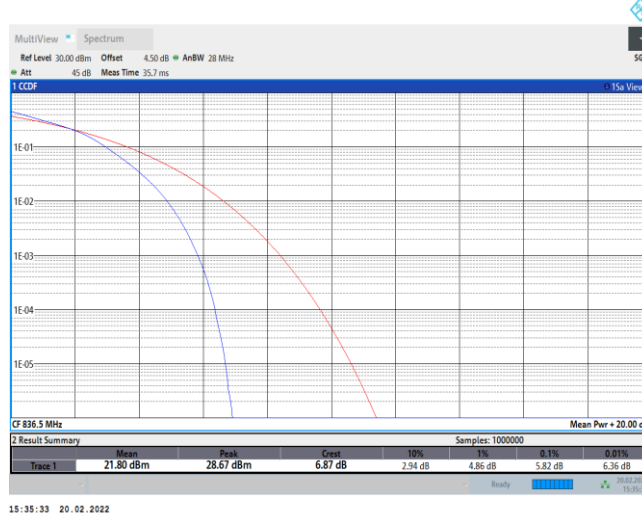


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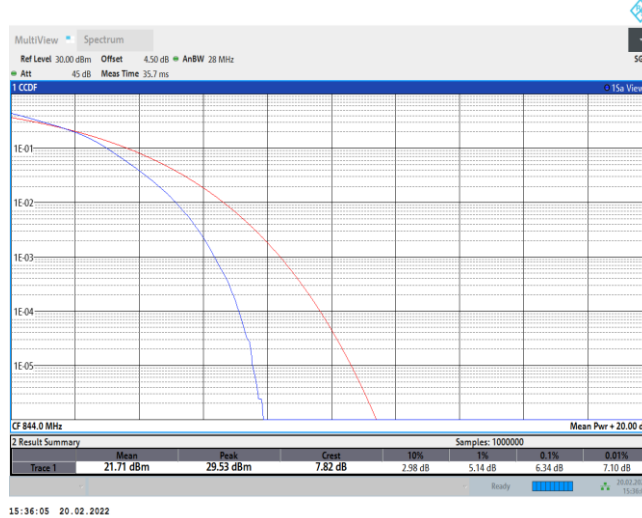
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Band5-10MHz-16QAM-20525-50RB#0



Band5-10MHz-16QAM-20600-50RB#0



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Modulation Characteristics

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result	Verdict
Band5	10MHz	QPSK	20525	50RB#0	PASS	PASS
Band5	10MHz	16QAM	20525	50RB#0	PASS	PASS



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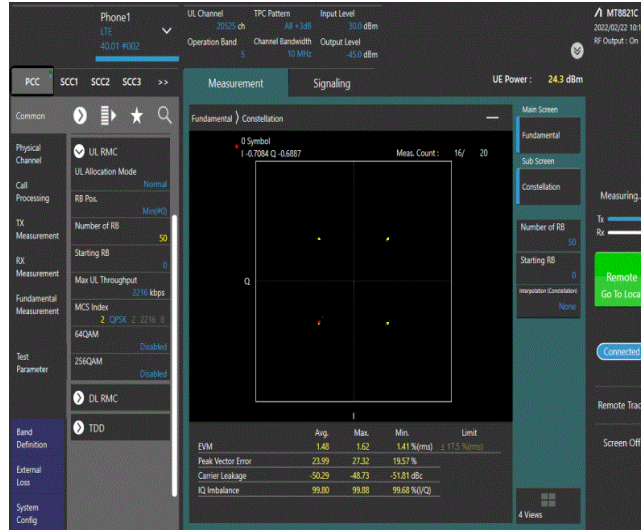
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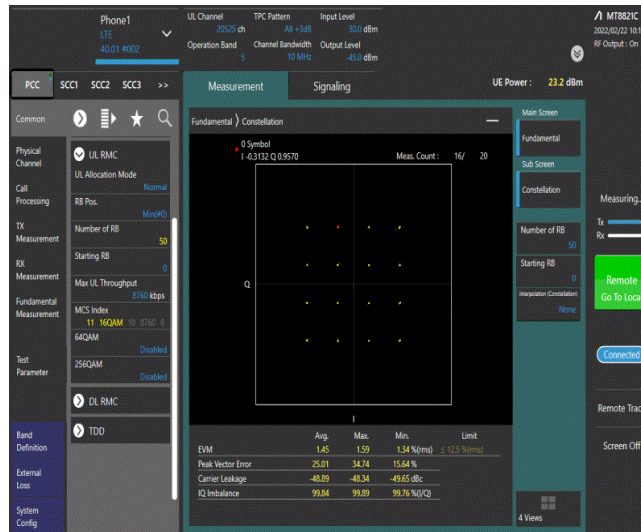
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Test Graphs

Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-16QAM-20525-50RB#0



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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	1.087	1.28	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	1.087	1.28	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	1.087	1.28	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	1.097	1.30	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	1.098	1.31	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	1.097	1.30	PASS
Band5	3MHz	QPSK	20415	15RB#0	2.694	2.98	PASS
Band5	3MHz	QPSK	20525	15RB#0	2.691	2.97	PASS
Band5	3MHz	QPSK	20635	15RB#0	2.695	2.98	PASS
Band5	3MHz	16QAM	20415	15RB#0	2.688	2.98	PASS
Band5	3MHz	16QAM	20525	15RB#0	2.685	2.97	PASS
Band5	3MHz	16QAM	20635	15RB#0	2.687	2.97	PASS
Band5	5MHz	QPSK	20425	25RB#0	4.467	4.91	PASS
Band5	5MHz	QPSK	20525	25RB#0	4.465	4.88	PASS
Band5	5MHz	QPSK	20625	25RB#0	4.462	4.88	PASS
Band5	5MHz	16QAM	20425	25RB#0	4.463	4.95	PASS
Band5	5MHz	16QAM	20525	25RB#0	4.460	4.93	PASS
Band5	5MHz	16QAM	20625	25RB#0	4.458	4.92	PASS
Band5	10MHz	QPSK	20450	50RB#0	8.925	9.72	PASS
Band5	10MHz	QPSK	20525	50RB#0	8.904	9.62	PASS
Band5	10MHz	QPSK	20600	50RB#0	8.928	9.70	PASS
Band5	10MHz	16QAM	20450	50RB#0	8.921	9.66	PASS
Band5	10MHz	16QAM	20525	50RB#0	8.896	9.60	PASS
Band5	10MHz	16QAM	20600	50RB#0	8.909	9.68	PASS



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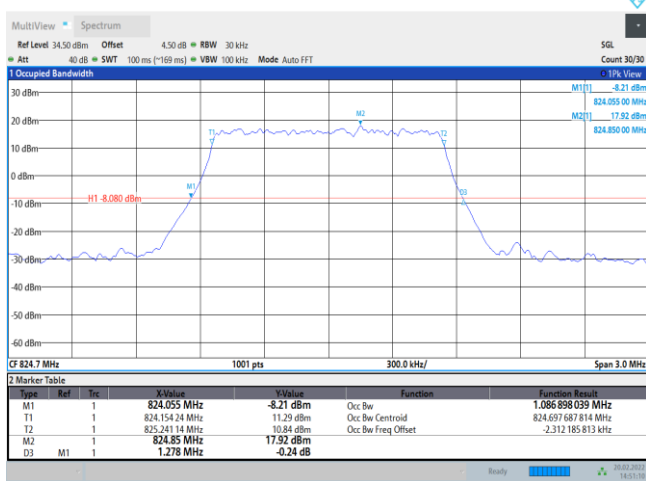
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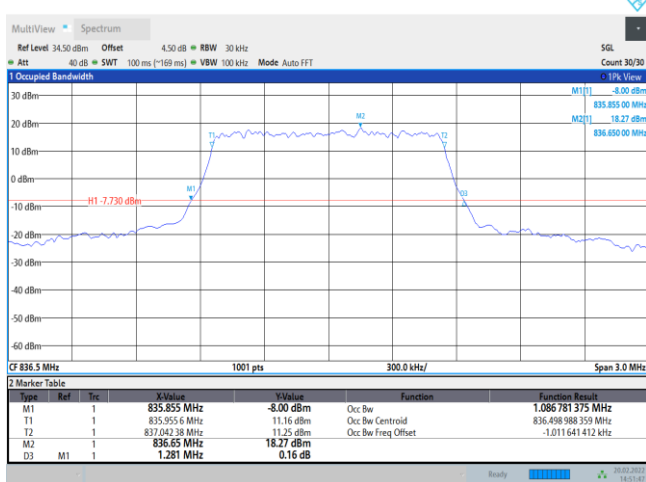
Test Graphs

Band5-1.4MHz-QPSK-20407-6RB#0



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Band5-1.4MHz-QPSK-20525-6RB#0



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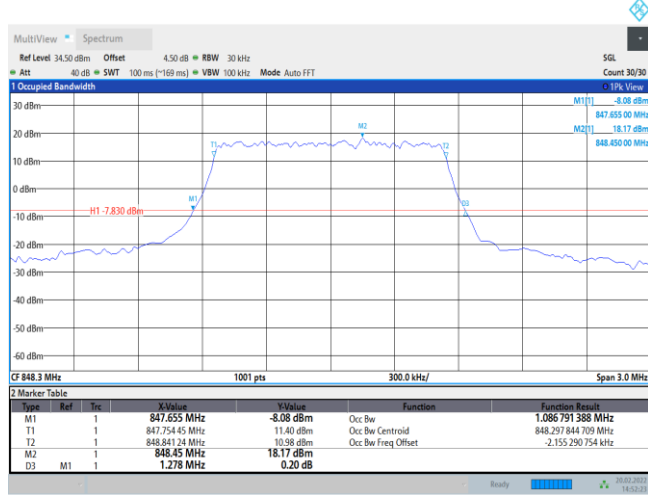


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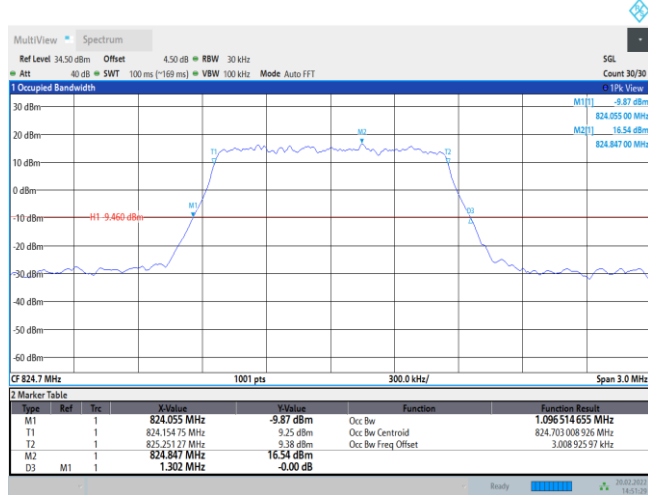
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Band5-1.4MHz-QPSK-20643-6RB#0



Band5-1.4MHz-16QAM-20407-6RB#0



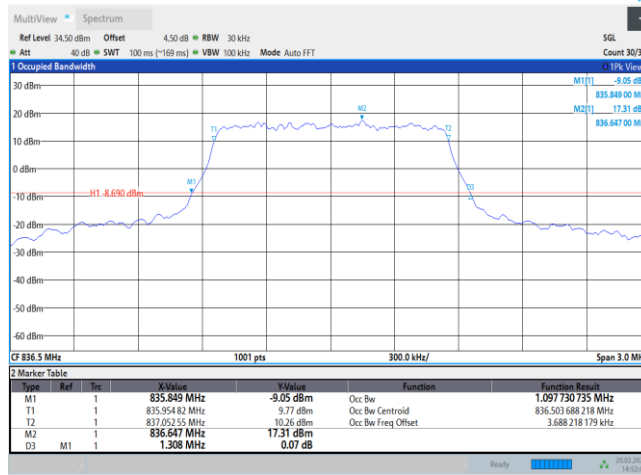
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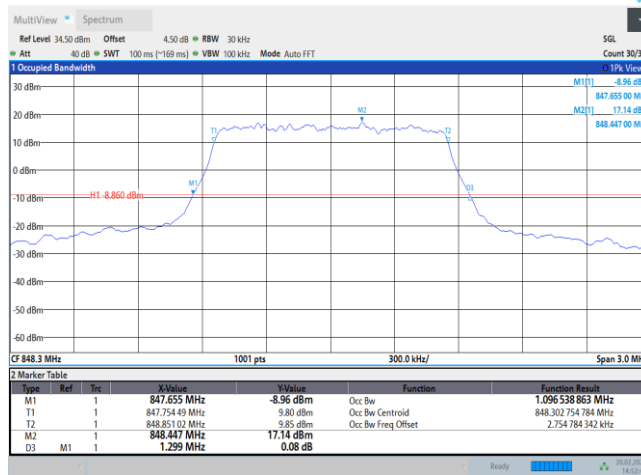
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Band5-1.4MHz-16QAM-20525-6RB#0



14:52:05 20.02.2022

Band5-1.4MHz-16QAM-20643-6RB#0



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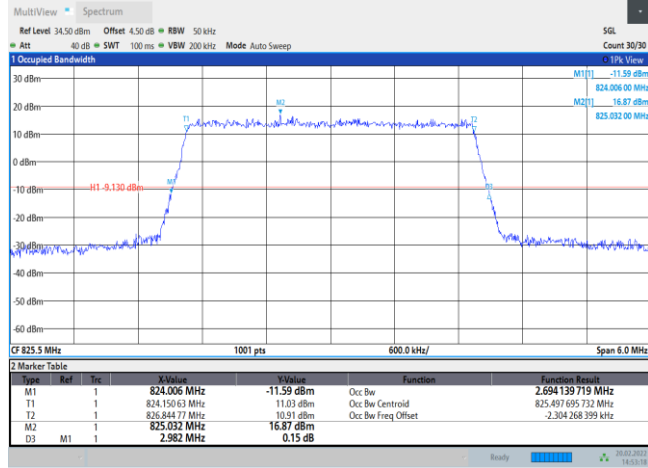
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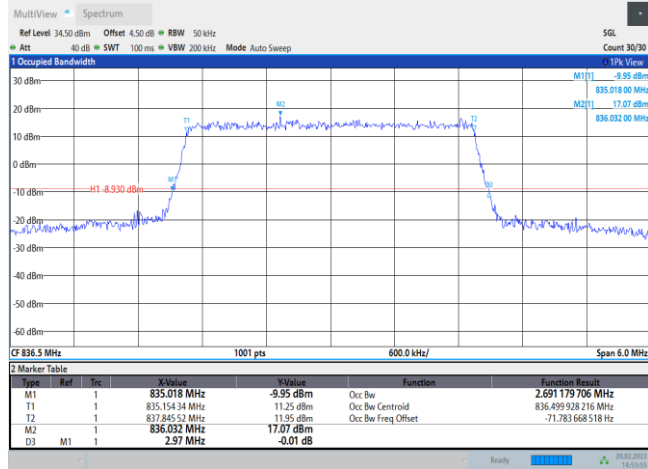
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Band5-3MHz-QPSK-20415-15RB#0



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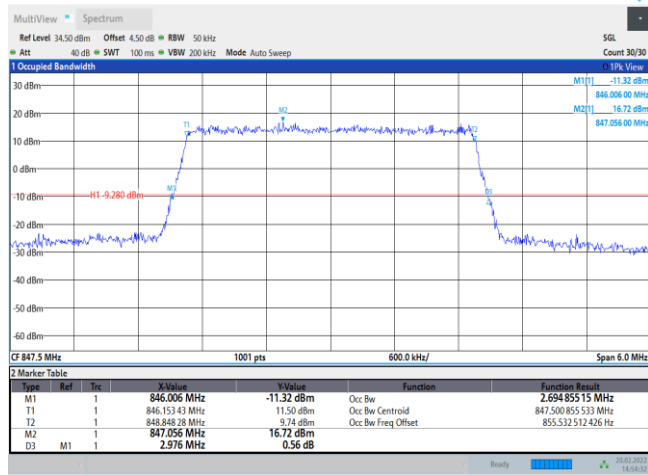
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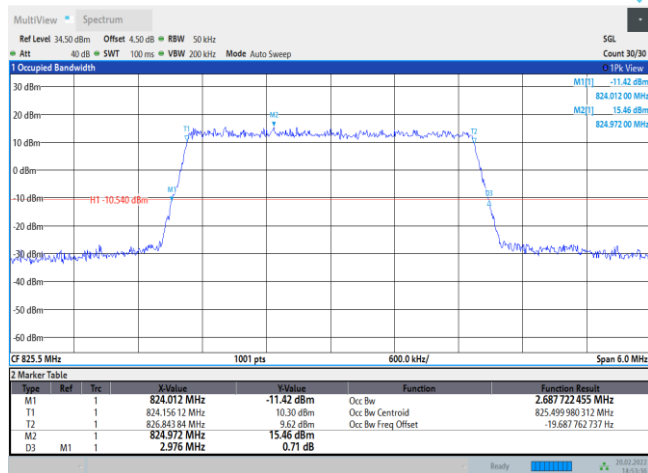
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Band5-3MHz-QPSK-20635-15RB#0



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Band5-3MHz-16QAM-20415-15RB#0



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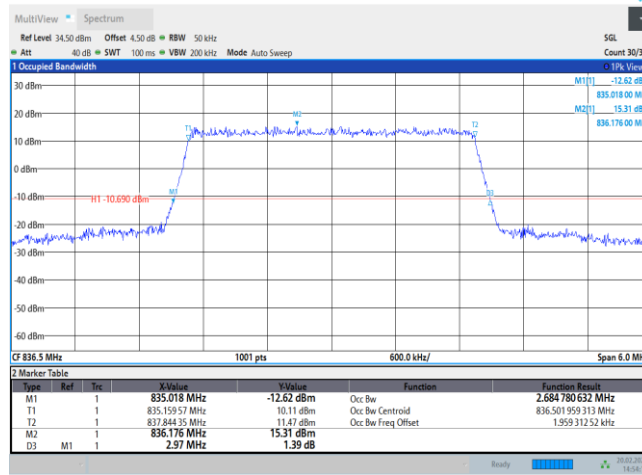
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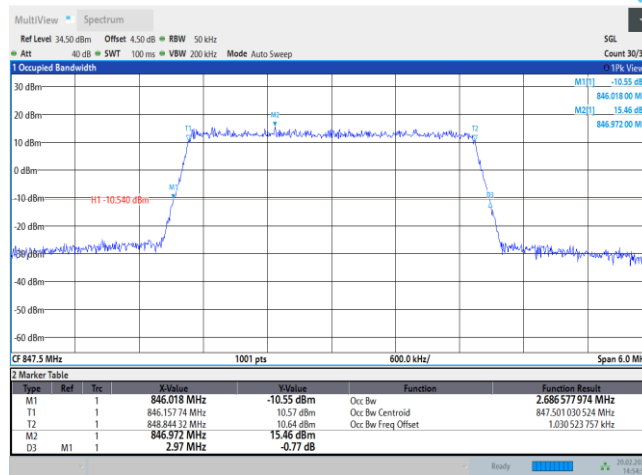
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Band5-3MHz-16QAM-20635-15RB#0



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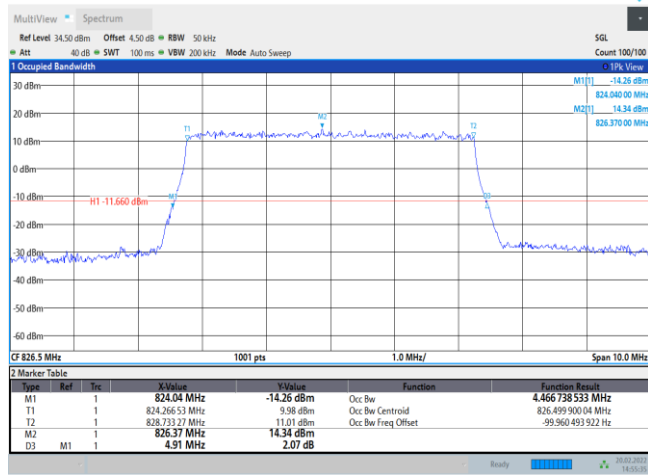
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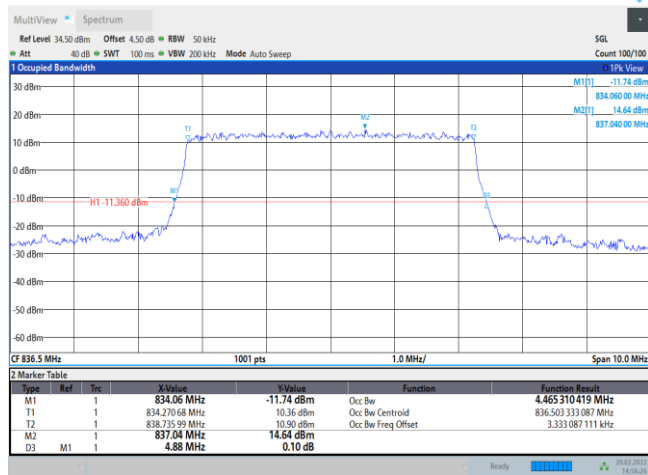
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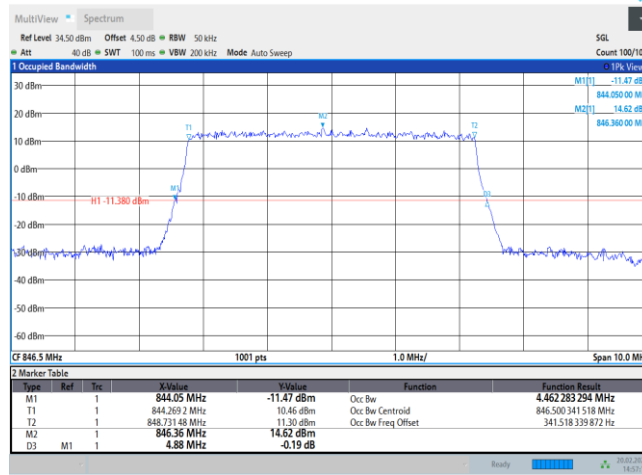
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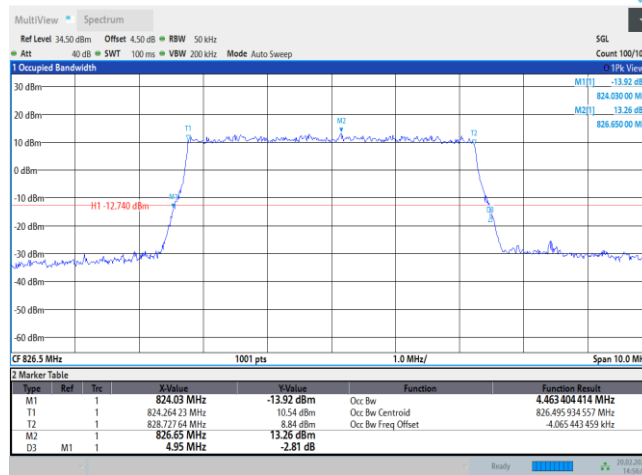
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Band5-5MHz-16QAM-20425-25RB#0



14:56:01 20.02.2022



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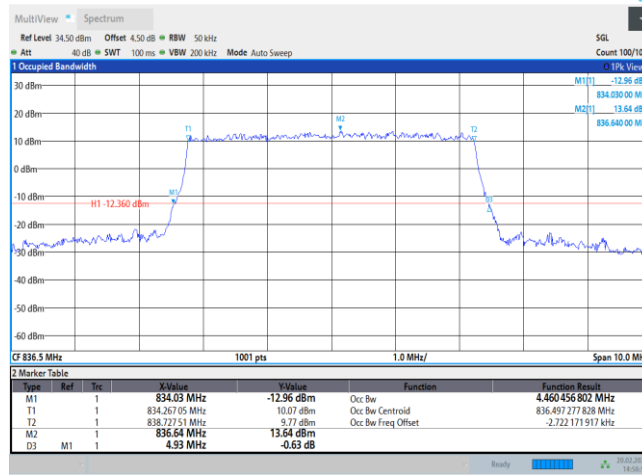
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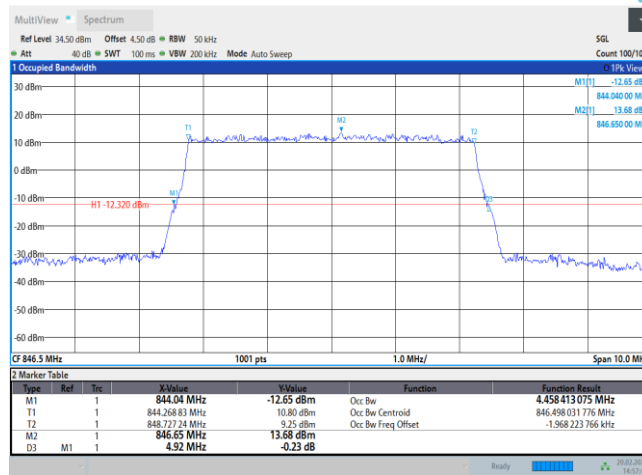
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Band5-5MHz-16QAM-20625-25RB#0



14:57:42 20.02.2022



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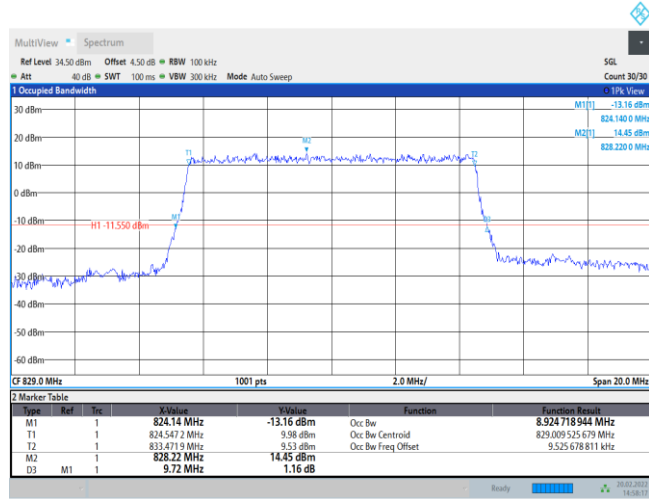
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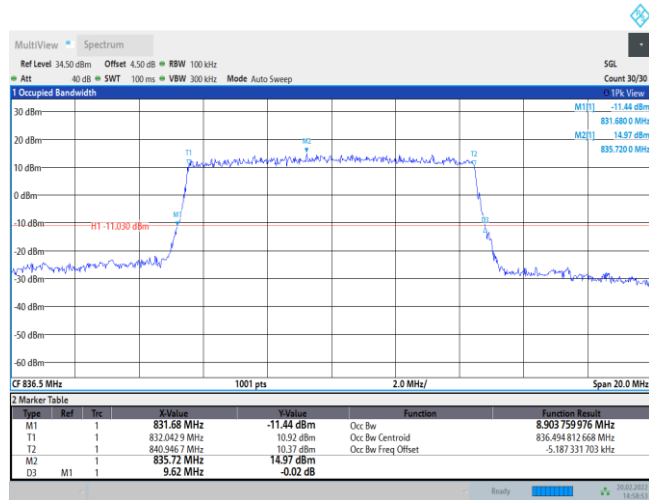
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Band5-10MHz-QPSK-20450-50RB#0



14:58:17 20.02.2022

Band5-10MHz-QPSK-20525-50RB#0



14:58:54 20.02.2022



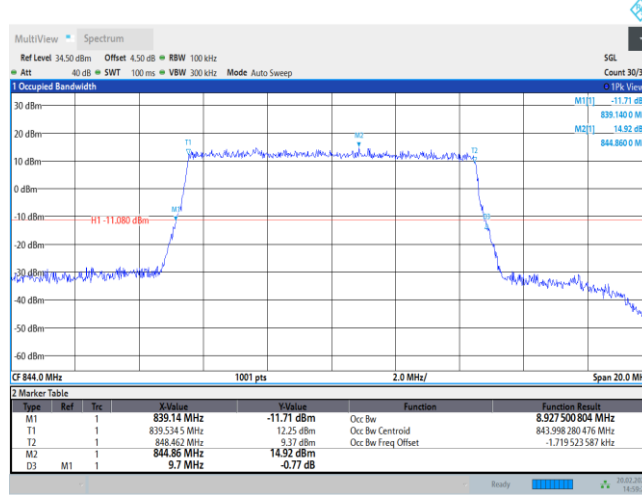
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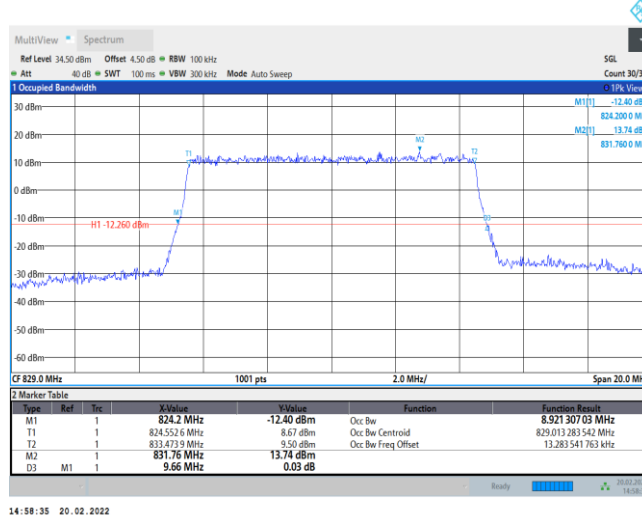
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Band5-10MHz-QPSK-20600-50RB#0



Band5-10MHz-16QAM-20450-50RB#0



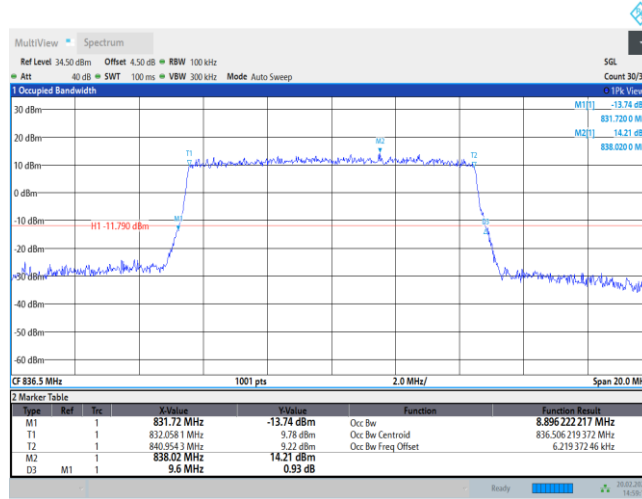
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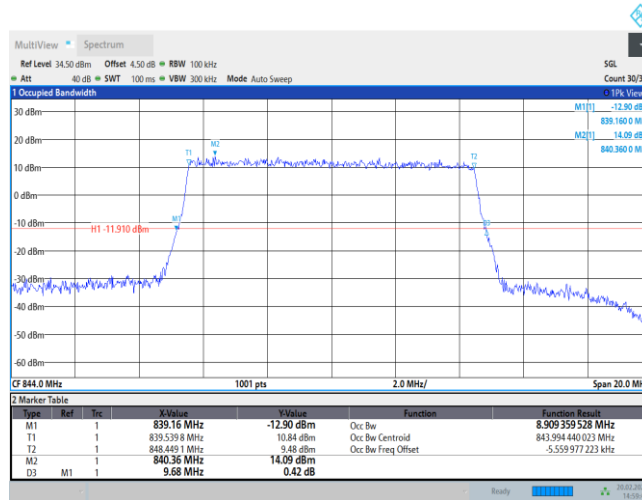
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14:59:12 20.02.2022

Band5-10MHz-16QAM-20600-50RB#0



14:59:48 20.02.2022



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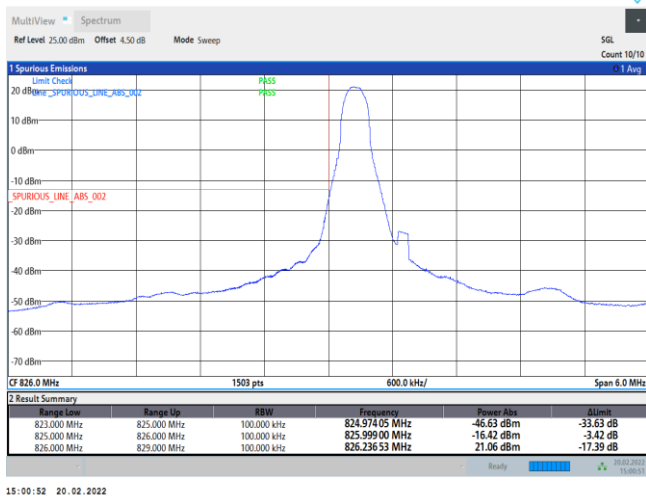
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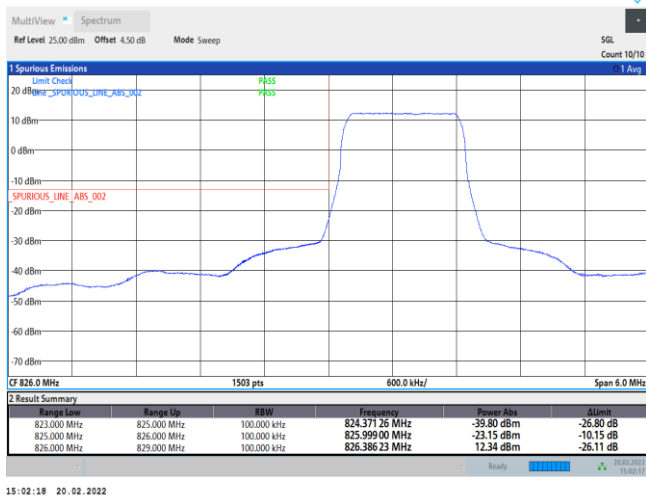
Band Edge

Test Graphs

Band5-1.4MHz-QPSK-20427-1RB#0



Band5-1.4MHz-QPSK-20427-6RB#0



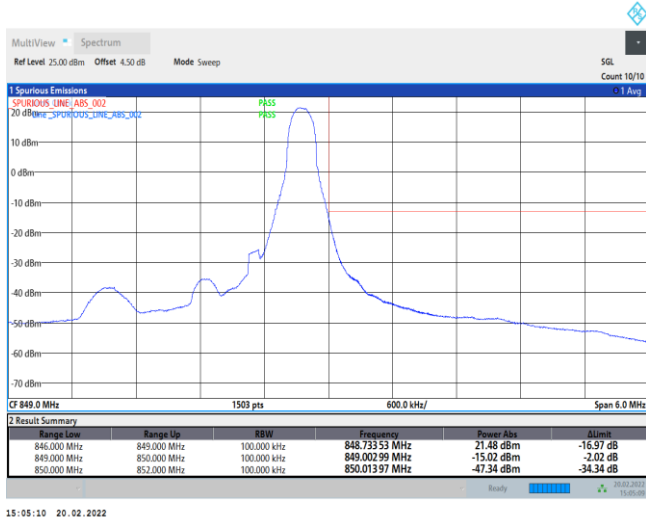
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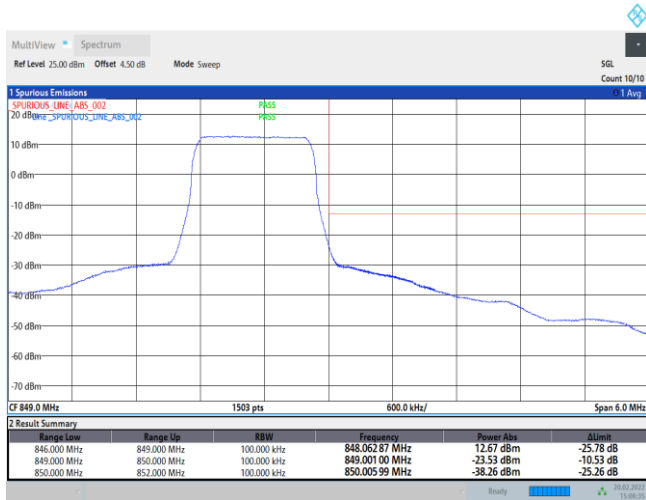
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Band5-1.4MHz-QPSK-20643-1RB#5



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Band5-1.4MHz-QPSK-20643-6RB#0



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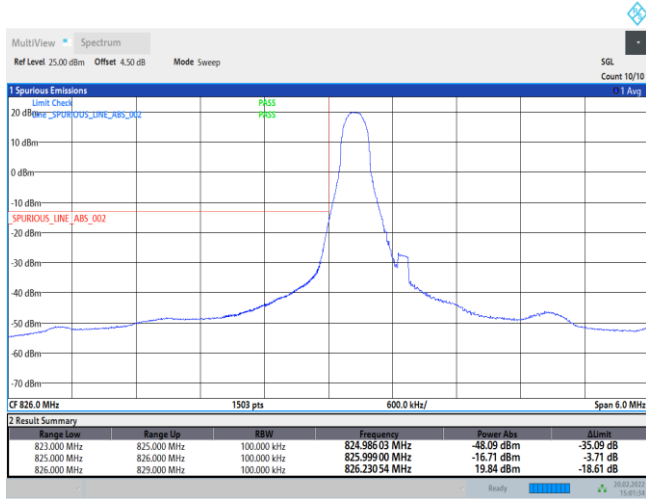


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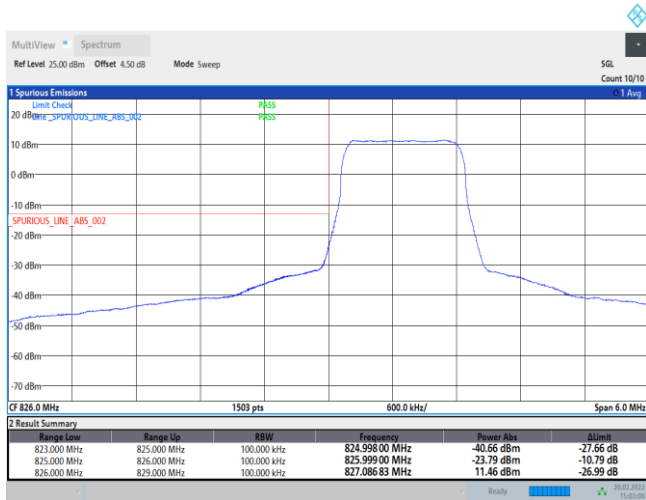
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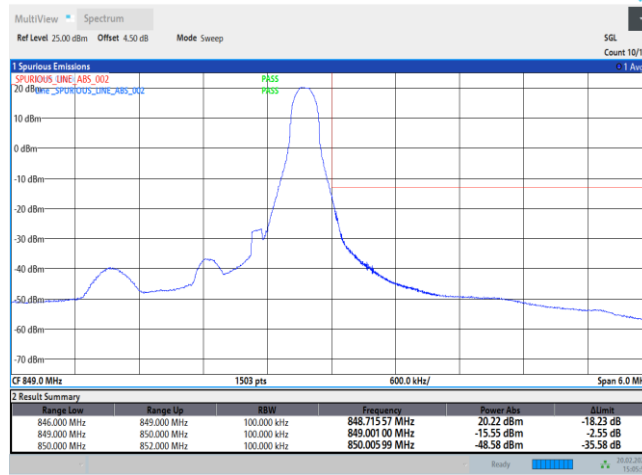
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Band5-1.4MHz-16QAM-20643-6RB#0



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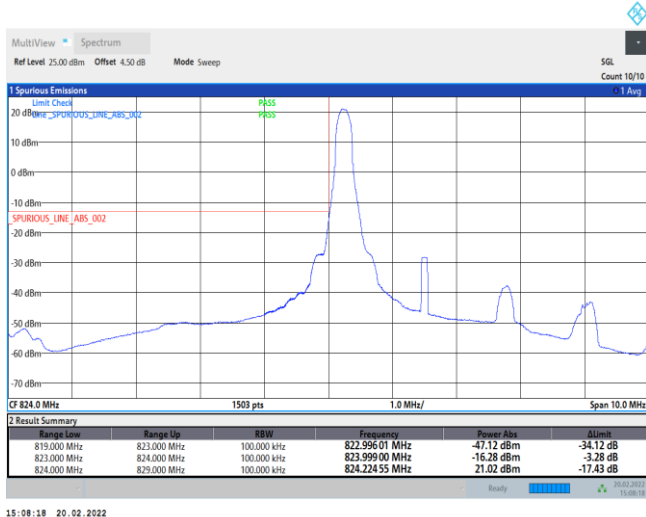
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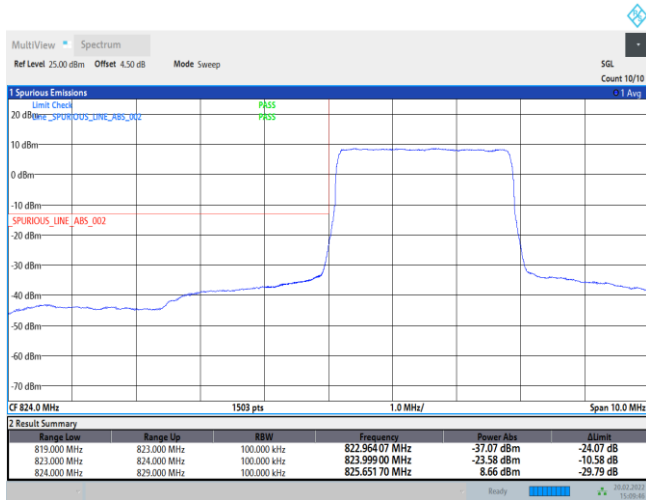
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Band5-3MHz-QPSK-20415-15RB#0



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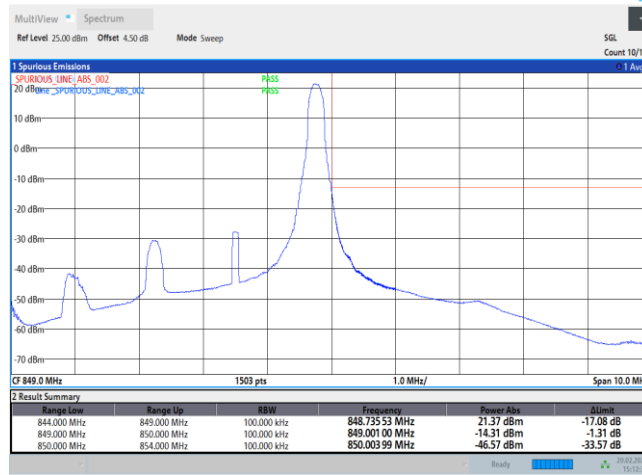
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Band5-3MHz-QPSK-20635-1RB#14



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Band5-3MHz-QPSK-20635-15RB#0



15:14:04 20.02.2022



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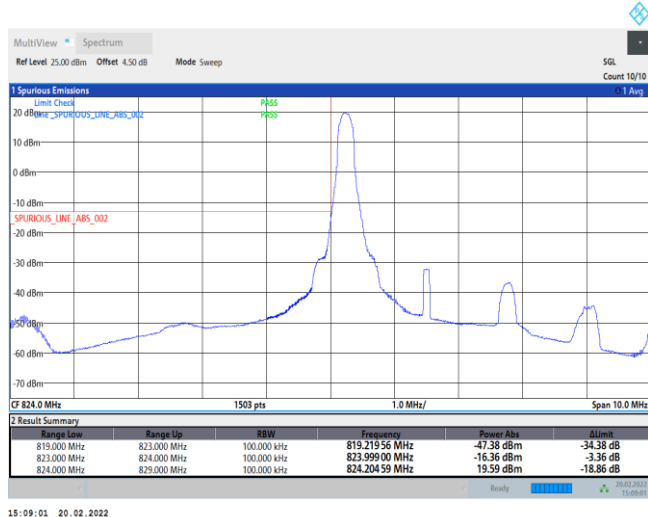
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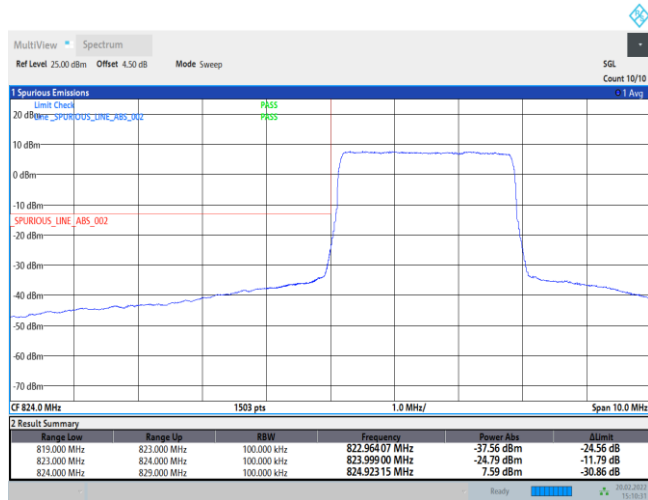
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Band5-3MHz-16QAM-20415-15RB#0



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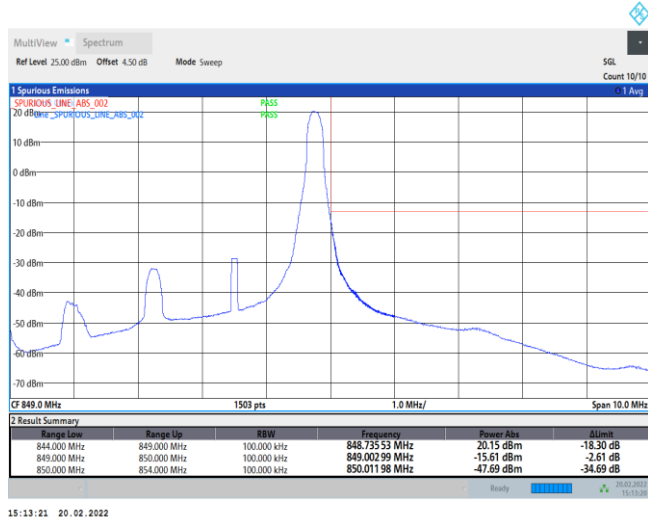


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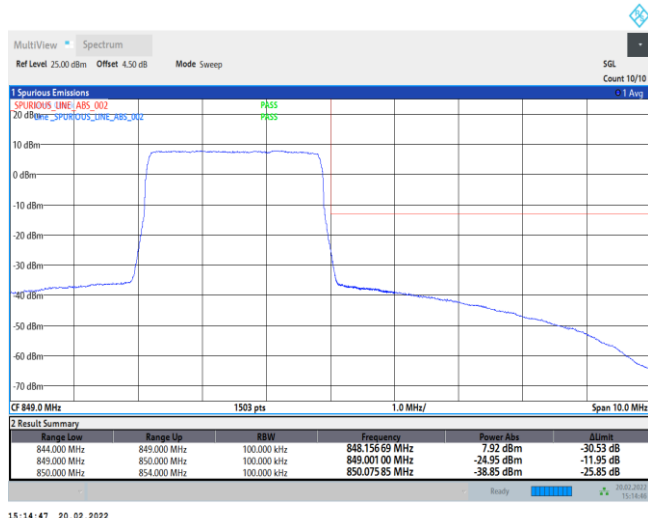
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Band5-3MHz-16QAM-20635-1RB#14



Band5-3MHz-16QAM-20635-15RB#0

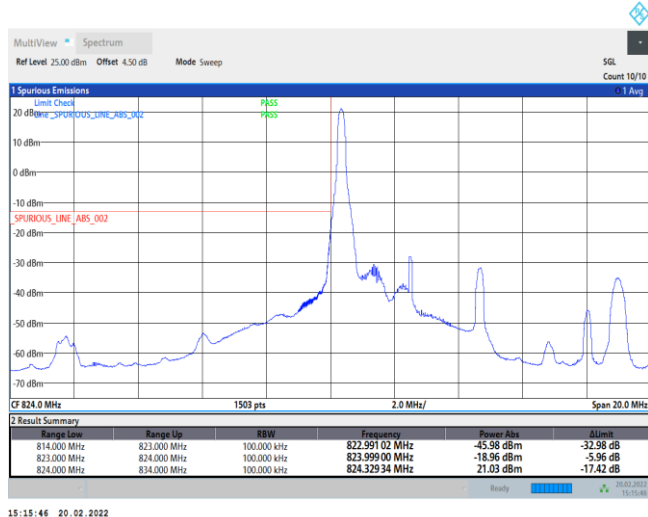


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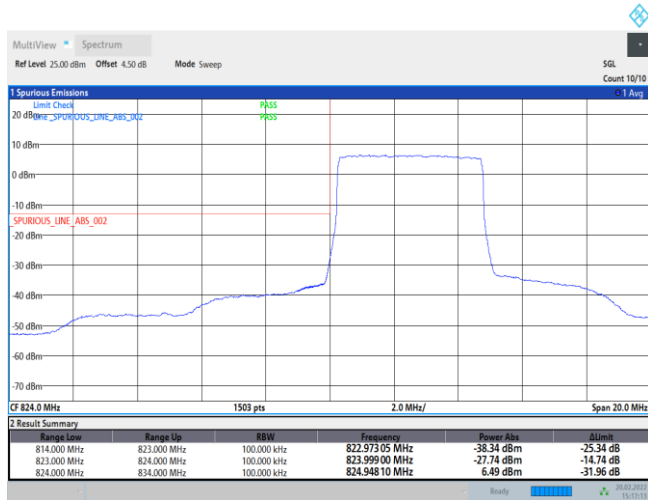
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Band5-5MHz-QPSK-20425-1RB#0



15:15:46 20. 02. 2022

Band5-5MHz-QPSK-20425-25RB#0



15:17:13 20. 02. 2022

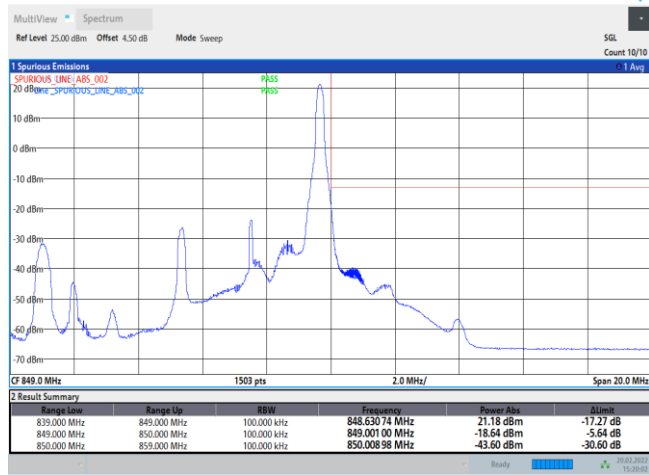


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Band5-5MHz-QPSK-20625-1RB#24



15:20:03 20.02.2022

Band5-5MHz-QPSK-20625-25RB#0



15:21:29 20.02.2022



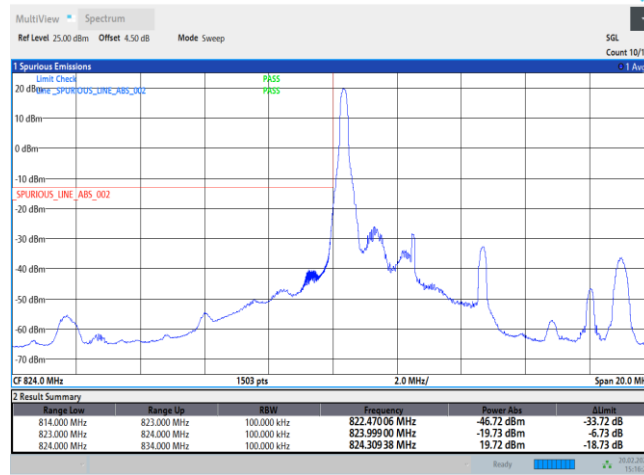
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Band5-5MHz-16QAM-20425-1RB#0



15:16:30 20.02.2022

Band5-5MHz-16QAM-20425-25RB#0



15:17:56 20.02.2022



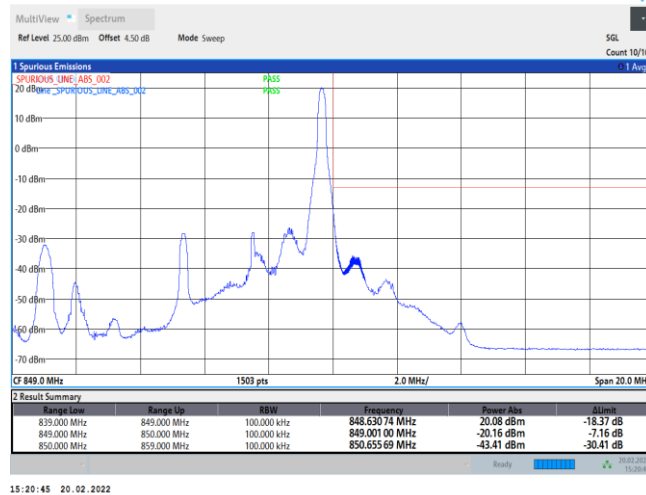
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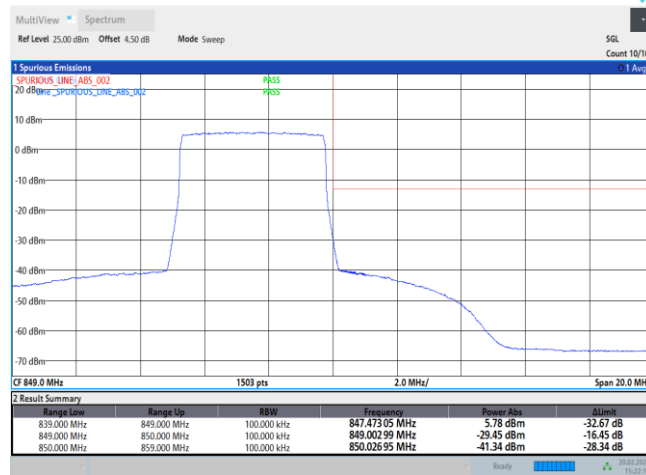
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Band5-5MHz-16QAM-20625-1RB#24



15:20:45 20.02.2022

Band5-5MHz-16QAM-20625-25RB#0



15:22:12 20.02.2022



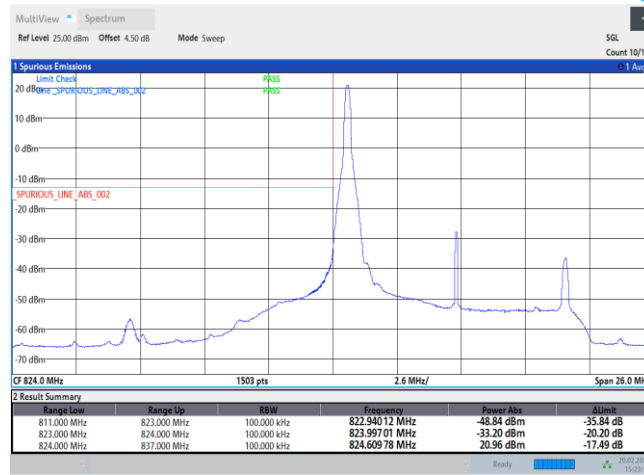
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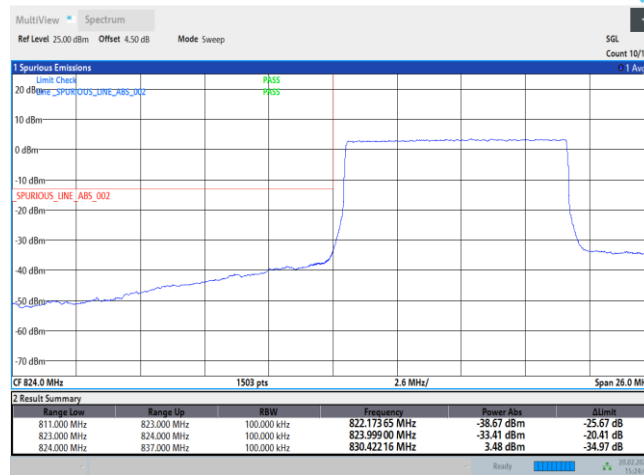
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Band5-10MHz-QPSK-20450-1RB#0



15:23:13 20.02.2022

Band5-10MHz-QPSK-20450-50RB#0



15:24:40 20.02.2022

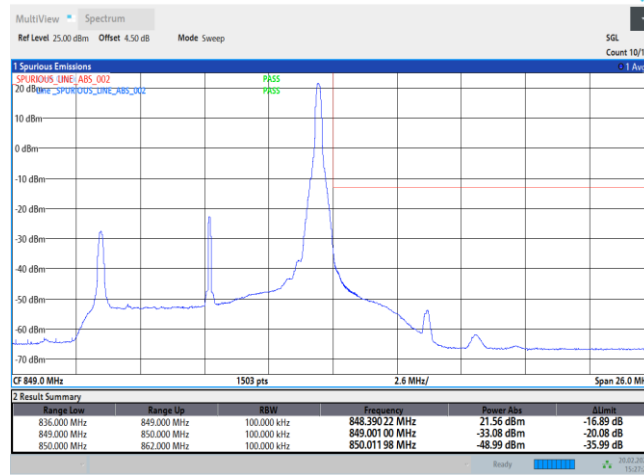


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Band5-10MHz-QPSK-20600-1RB#49



15:27:29 20.02.2022

Band5-10MHz-QPSK-20600-50RB#0



15:28:55 20.02.2022

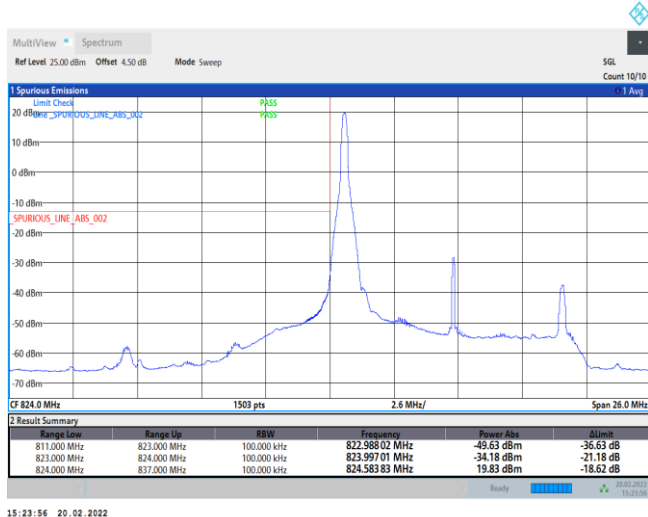


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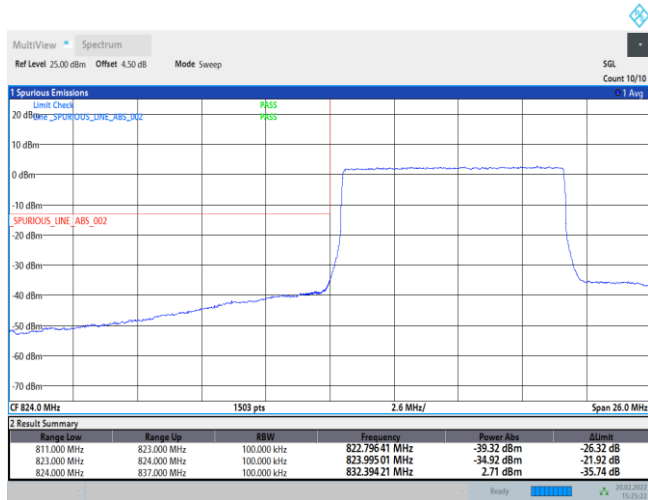
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Band5-10MHz-16QAM-20450-1RB#0



15:23:56 20.02.2022

Band5-10MHz-16QAM-20450-50RB#0



15:25:23 20.02.2022



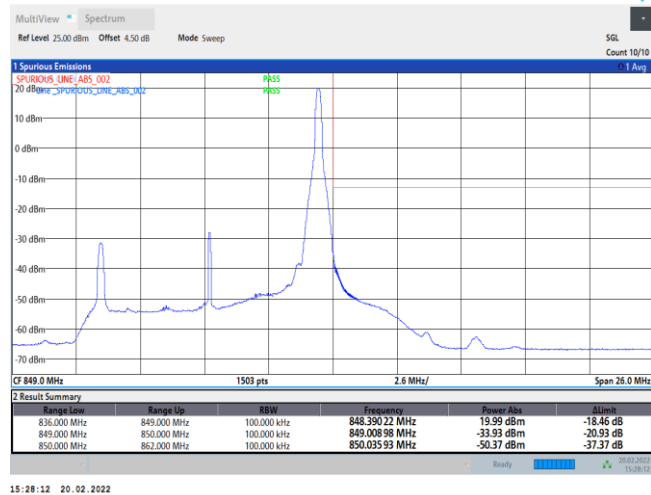
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15:28:12 20.02.2022

Band5-10MHz-16QAM-20600-50RB#0



15:29:38 20.02.2022



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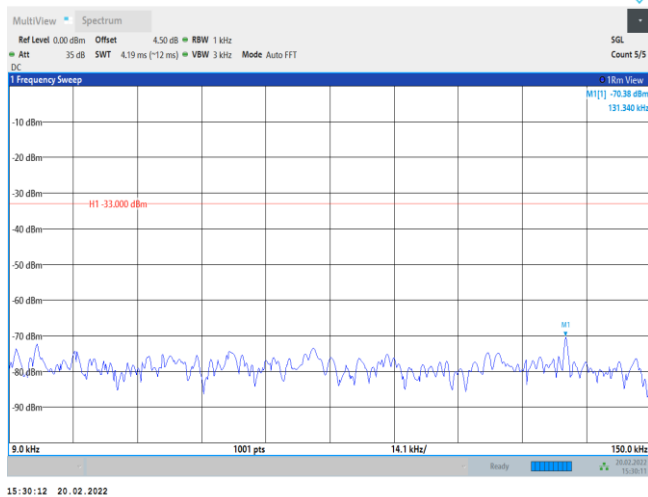
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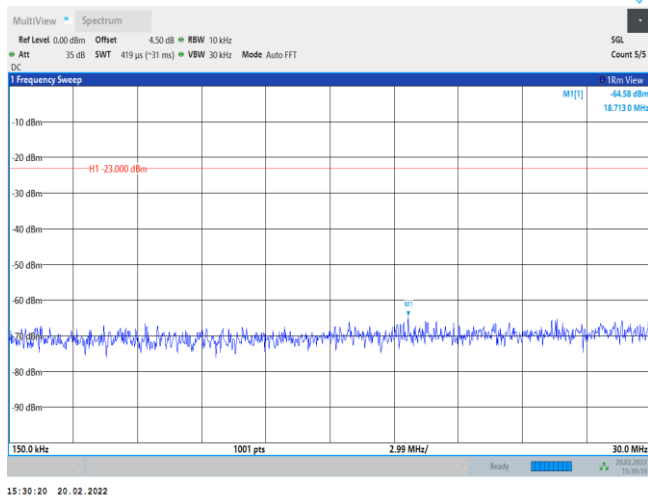
Conducted Spurious Emission

Test Graphs

Band5-10MHz-QPSK-20450-1RB#0-Range1:0.009~0.15MHz



Band5-10MHz-QPSK-20450-1RB#0-Range2:0.15~30MHz

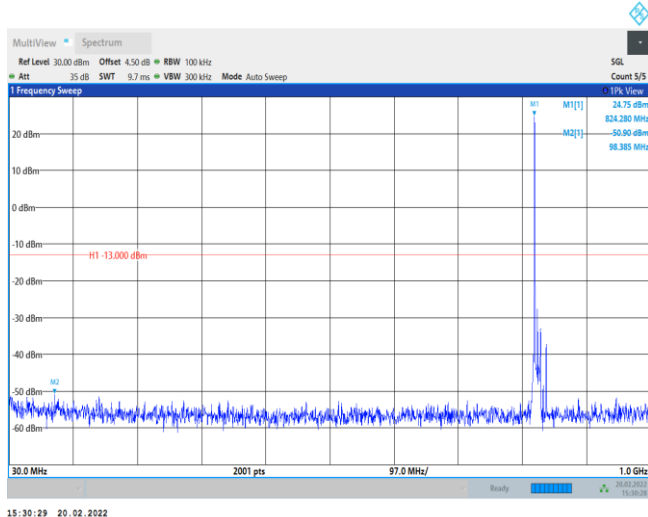


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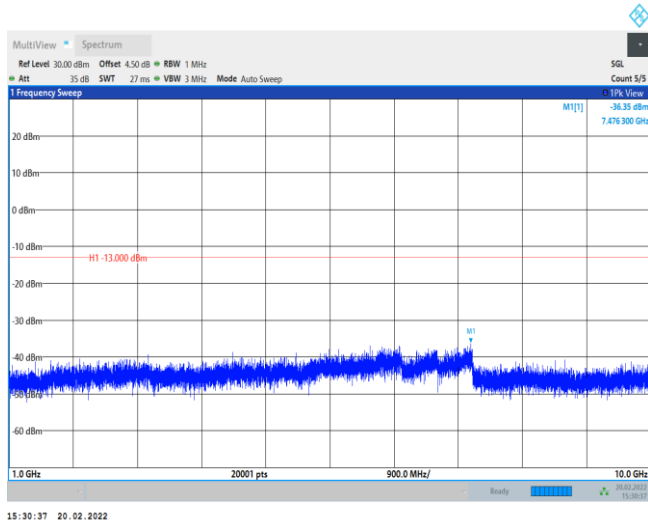
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Band5-10MHz-QPSK-20450-1RB#0-Range3:30~1000MHz



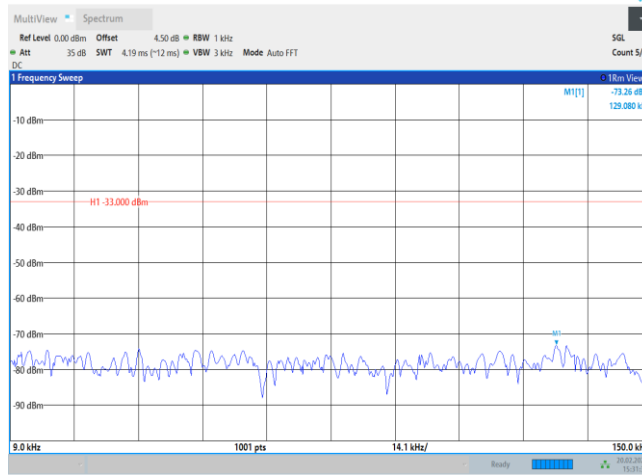
Band5-10MHz-QPSK-20450-1RB#0-Range4:1000~10000MHz



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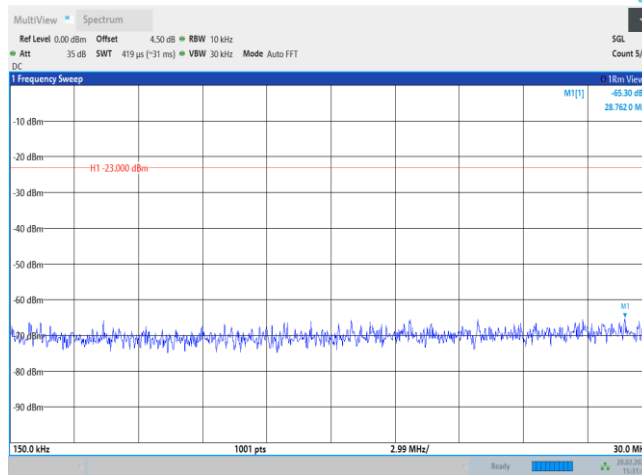
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Band5-10MHz-QPSK-20525-1RB#0-Range1:0.009~0.15MHz



15:31:39 20.02.2022

Band5-10MHz-QPSK-20525-1RB#0-Range2:0.15~30MHz



15:31:47 20.02.2022

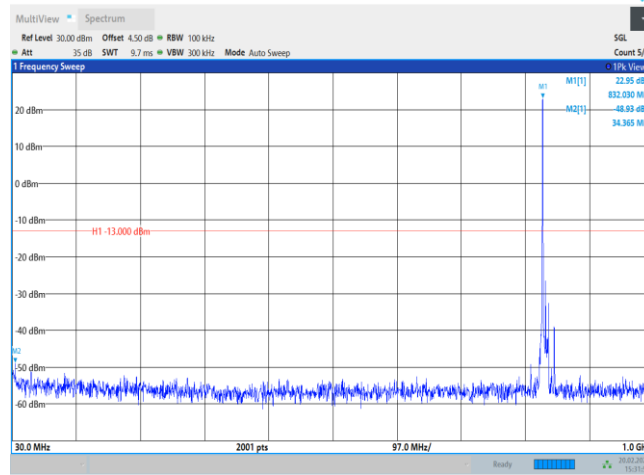


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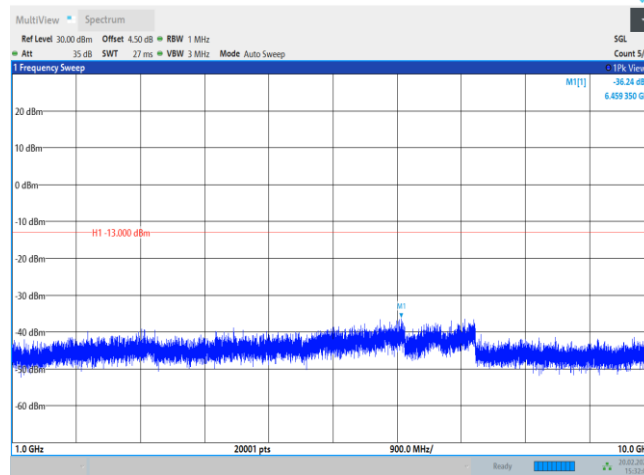
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Band5-10MHz-QPSK-20525-1RB#0-Range3:30~1000MHz



15:31:56 20.02.2022

Band5-10MHz-QPSK-20525-1RB#0-Range4:1000~10000MHz



15:32:04 20.02.2022



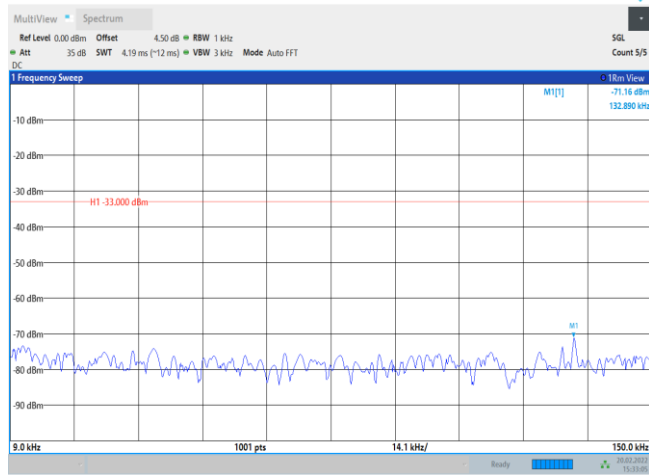
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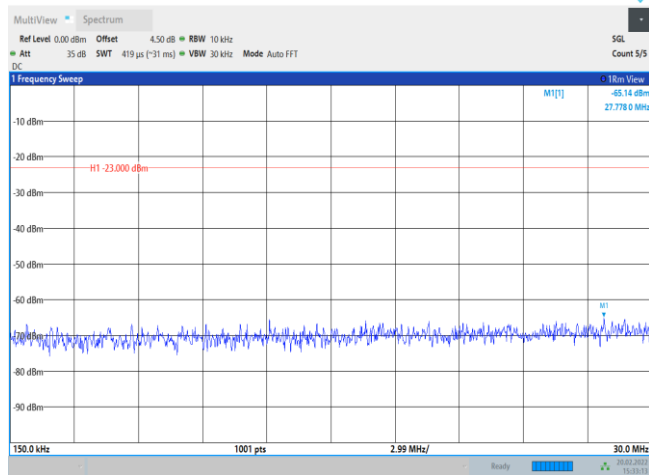
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Band5-10MHz-QPSK-20600-1RB#0-Range1:0.009~0.15MHz



15:33:06 20.02.2022

Band5-10MHz-QPSK-20600-1RB#0-Range2:0.15~30MHz



15:33:14 20.02.2022



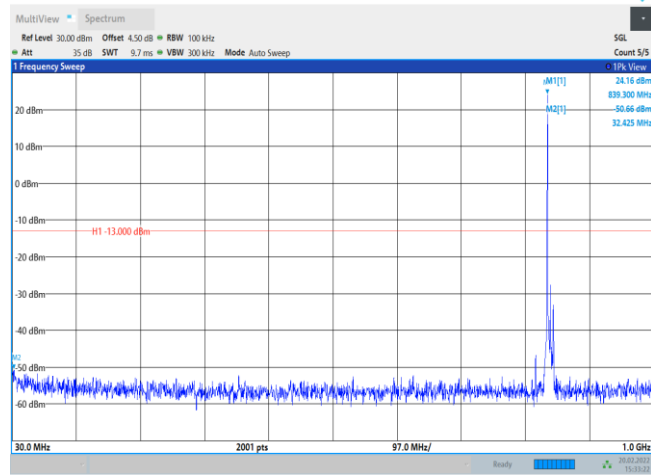
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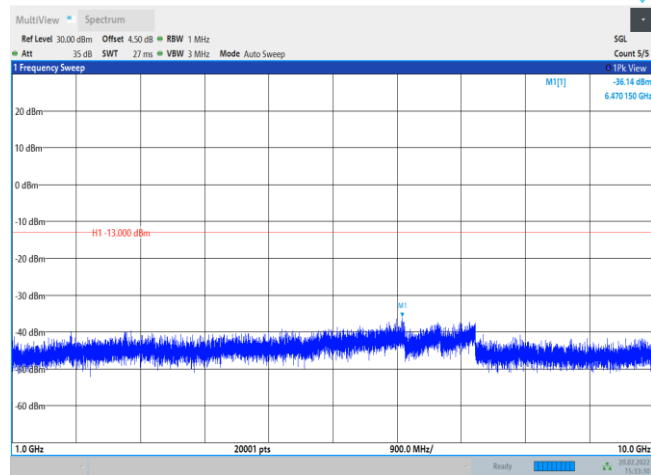
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Band5-10MHz-QPSK-20600-1RB#0-Range3:30~1000MHz



15:33:22 20.02.2022

Band5-10MHz-QPSK-20600-1RB#0-Range4:1000~10000MHz



15:33:31 20.02.2022



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Field Strength of Spurious Radiation

Test Band = _Band5 ANT0 TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1429	63.00	-118.11	-55.11	-13.00	42.11	263	18	Horizontal
2	2473.7143	62.34	-114.89	-52.55	-13.00	39.55	188	272	Horizontal
3	3298.3600	52.82	-112.38	-59.56	-13.00	46.56	142	324	Horizontal
4	4122.9500	53.54	-110.19	-56.65	-13.00	43.65	233	311	Horizontal
5	4947.5400	49.82	-108.22	-58.40	-13.00	45.40	152	360	Horizontal
6	5772.1300	48.87	-106.25	-57.38	-13.00	44.38	205	311	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	53.65	-118.11	-64.46	-13.00	51.46	155	336	Vertical
2	2473.7700	51.36	-114.89	-63.53	-13.00	50.53	301	323	Vertical
3	3298.3600	52.09	-112.38	-60.29	-13.00	47.29	258	89	Vertical
4	4122.9500	48.87	-110.19	-61.32	-13.00	48.32	149	64	Vertical
5	4947.5400	51.00	-108.22	-57.22	-13.00	44.22	294	232	Vertical
6	5772.1300	48.69	-106.25	-57.56	-13.00	44.56	175	37	Vertical



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Test Band = _Band5 ANT0 TM1

Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664	61.08	-118.09	-57.01	-13.00	44.01	189	359	Horizontal
2	2496.2700	69.59	-114.78	-45.19	-13.00	32.19	194	271	Horizontal
3	3328.3600	57.65	-112.38	-54.73	-13.00	41.73	235	286	Horizontal
4	4160.4500	55.36	-110.16	-54.80	-13.00	41.80	142	4	Horizontal
5	4992.5400	49.74	-108.19	-58.45	-13.00	45.45	188	260	Horizontal
6	5824.6300	47.52	-106.20	-58.68	-13.00	45.68	233	14	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	52.31	-118.09	-65.78	-13.00	52.78	168	356	Vertical
2	2496.2700	60.05	-114.78	-54.73	-13.00	41.73	149	3	Vertical
3	3328.3600	52.99	-112.38	-59.39	-13.00	46.39	187	7	Vertical
4	4160.4500	50.61	-110.16	-59.55	-13.00	46.55	145	320	Vertical
5	4992.5400	48.62	-108.19	-59.57	-13.00	46.57	173	178	Vertical
6	5824.6300	47.37	-106.20	-58.83	-13.00	45.83	235	309	Vertical



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Test Band = _Band5 ANT0 TM1

Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	63.76	-118.06	-54.30	-13.00	41.30	128	58	Horizontal
2	2518.7700	64.50	-114.63	-50.13	-13.00	37.13	196	360	Horizontal
3	3358.3600	51.75	-112.38	-60.63	-13.00	47.63	238	271	Horizontal
4	4197.9500	50.53	-110.12	-59.59	-13.00	46.59	175	322	Horizontal
5	5037.5400	48.40	-108.01	-59.61	-13.00	46.61	148	310	Horizontal
6	5887.1300	50.75	-106.27	-55.52	-13.00	42.52	191	65	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	55.18	-118.06	-62.88	-13.00	49.88	156	25	Vertical
2	2518.7700	53.53	-114.63	-61.10	-13.00	48.10	188	322	Vertical
3	3358.3600	51.79	-112.38	-60.59	-13.00	47.59	179	285	Vertical
4	4197.9500	49.25	-110.12	-60.87	-13.00	47.87	175	90	Vertical
5	5037.5400	49.46	-108.01	-58.55	-13.00	45.55	142	40	Vertical
6	5887.1300	47.99	-106.27	-58.28	-13.00	45.28	263	220	Vertical



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Test Band = _Band5 ANT1 TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1429	60.80	-118.11	-57.31	-13.00	44.31	287	347	Horizontal
2	2473.7143	61.85	-114.89	-53.04	-13.00	40.04	214	286	Horizontal
3	3298.3600	55.14	-112.38	-57.24	-13.00	44.24	152	310	Horizontal
4	4122.9500	57.61	-110.19	-52.58	-13.00	39.58	196	298	Horizontal
5	4947.5400	50.50	-108.22	-57.72	-13.00	44.72	148	66	Horizontal
6	5772.1300	48.20	-106.25	-58.05	-13.00	45.05	122	336	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	52.86	-118.11	-65.25	-13.00	52.25	265	28	Vertical
2	2473.7143	54.68	-114.89	-60.21	-13.00	47.21	149	181	Vertical
3	3298.3600	51.00	-112.38	-61.38	-13.00	48.38	183	140	Vertical
4	4122.9500	50.21	-110.19	-59.98	-13.00	46.98	205	181	Vertical
5	4947.5400	49.91	-108.22	-58.31	-13.00	45.31	177	1	Vertical
6	5772.1300	48.58	-106.25	-57.67	-13.00	44.67	222	140	Vertical



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Test Band = _Band5 ANT1 TM1

Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	59.55	-118.09	-58.54	-13.00	45.54	269	357	Horizontal
2	2496.2700	68.26	-114.78	-46.52	-13.00	33.52	148	269	Horizontal
3	3328.3600	57.07	-112.38	-55.31	-13.00	42.31	175	308	Horizontal
4	4160.4500	56.26	-110.16	-53.90	-13.00	40.90	233	269	Horizontal
5	4992.5400	48.10	-108.19	-60.09	-13.00	47.09	145	77	Horizontal
6	5824.6300	47.68	-106.20	-58.52	-13.00	45.52	169	204	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	52.05	-118.09	-66.04	-13.00	53.04	198	89	Vertical
2	2496	60.96	-114.78	-53.82	-13.00	40.82	148	1	Vertical
3	3328.3600	52.18	-112.38	-60.20	-13.00	47.20	179	78	Vertical
4	4160.4500	50.50	-110.16	-59.66	-13.00	46.66	296	141	Vertical
5	4992.5400	48.14	-108.19	-60.05	-13.00	47.05	238	180	Vertical
6	5824.6300	48.32	-106.20	-57.88	-13.00	44.88	185	64	Vertical



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Test Band = _Band5 ANT1 TM1

Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	64.14	-118.06	-53.92	-13.00	40.92	129	353	Horizontal
2	2518.7700	63.73	-114.63	-50.90	-13.00	37.90	186	48	Horizontal
3	3358.3600	54.17	-112.38	-58.21	-13.00	45.21	230	271	Horizontal
4	4197.9500	51.39	-110.12	-58.73	-13.00	45.73	260	233	Horizontal
5	5037.5400	48.09	-108.01	-59.92	-13.00	46.92	194	311	Horizontal
6	5887.1300	48.45	-106.27	-57.82	-13.00	44.82	178	360	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	52.34	-118.06	-65.72	-13.00	52.72	266	23	Vertical
2	2518.7700	54.16	-114.63	-60.47	-13.00	47.47	245	205	Vertical
3	3358.3600	50.88	-112.38	-61.50	-13.00	48.50	189	0	Vertical
4	4197.9500	49.89	-110.12	-60.23	-13.00	47.23	235	1	Vertical
5	5037.5400	48.27	-108.01	-59.74	-13.00	46.74	184	243	Vertical
6	5887.1300	48.17	-106.27	-58.10	-13.00	45.10	166	256	Vertical



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Wireless Laboratory

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Test Band = _Band5 ANT3 TM1

Test Channel = Low

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1429	60.77	-118.11	-57.34	-13.00	44.34	168	128	Horizontal
2	2473.7143	59.10	-114.89	-55.79	-13.00	42.79	194	271	Horizontal
3	3298.3600	53.05	-112.38	-59.33	-13.00	46.33	172	296	Horizontal
4	4122.9500	55.91	-110.19	-54.28	-13.00	41.28	124	259	Horizontal
5	4947.5400	49.80	-108.22	-58.42	-13.00	45.42	128	271	Horizontal
6	5772.1300	49.28	-106.25	-56.97	-13.00	43.97	221	180	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1649.1800	51.62	-118.11	-66.49	-13.00	53.49	166	128	Vertical
2	2473.7700	52.12	-114.89	-62.77	-13.00	49.77	245	62	Vertical
3	3298.3600	51.93	-112.38	-60.45	-13.00	47.45	188	7	Vertical
4	4122.9500	50.17	-110.19	-60.02	-13.00	47.02	134	257	Vertical
5	4947.5400	49.30	-108.22	-58.92	-13.00	45.92	199	356	Vertical
6	5772.1300	47.39	-106.25	-58.86	-13.00	45.86	231	140	Vertical



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Test Band = _Band5 ANT3 TM1

Test Channel = Mid

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	60.25	-118.09	-57.84	-13.00	44.84	155	353	Horizontal
2	2496.2700	70.22	-114.78	-44.56	-13.00	31.56	194	270	Horizontal
3	3328.3600	55.02	-112.38	-57.36	-13.00	44.36	172	310	Horizontal
4	4160.4500	57.23	-110.16	-52.93	-13.00	39.93	235	270	Horizontal
5	4992.5400	48.49	-108.19	-59.70	-13.00	46.70	144	194	Horizontal
6	5824.6300	48.76	-106.20	-57.44	-13.00	44.44	196	359	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1664.1800	52.77	-118.09	-65.32	-13.00	52.32	199	89	Vertical
2	2496.2700	59.64	-114.78	-55.14	-13.00	42.14	254	58	Vertical
3	3328.3600	51.97	-112.38	-60.41	-13.00	47.41	163	347	Vertical
4	4160.4500	51.05	-110.16	-59.11	-13.00	46.11	234	49	Vertical
5	4992.5400	48.73	-108.19	-59.46	-13.00	46.46	185	281	Vertical
6	5824.6300	47.41	-106.20	-58.79	-13.00	45.79	177	180	Vertical



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Test Band = _Band5 ANT3 TM1

Test Channel = High

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	64.66	-118.06	-53.40	-13.00	40.40	168	353	Horizontal
2	2518.7700	64.23	-114.63	-50.40	-13.00	37.40	142	244	Horizontal
3	3358.3600	53.09	-112.38	-59.29	-13.00	46.29	159	283	Horizontal
4	4197.9500	50.97	-110.12	-59.15	-13.00	46.15	176	357	Horizontal
5	5037.5400	48.43	-108.01	-59.58	-13.00	46.58	123	206	Horizontal
6	5887.1300	48.63	-106.27	-57.64	-13.00	44.64	210	308	Horizontal

Final Data List									
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1679.1800	54.45	-118.06	-63.61	-13.00	50.61	163	348	Vertical
2	2518.7700	54.78	-114.63	-59.85	-13.00	46.85	235	322	Vertical
3	3358.3600	50.40	-112.38	-61.98	-13.00	48.98	144	357	Vertical
4	4197.9500	49.15	-110.12	-60.97	-13.00	47.97	188	206	Vertical
5	5037.5400	48.23	-108.01	-59.78	-13.00	46.78	254	7	Vertical
6	5887.1300	48.49	-106.27	-57.78	-13.00	44.78	199	37	Vertical



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Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-0.70	-0.000837	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	0.90	0.001076	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-1.00	-0.001195	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-0.80	-0.000956	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-1.00	-0.001195	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-1.70	-0.002032	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	0.40	0.000478	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-1.10	-0.001315	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	-0.30	-0.000359	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-0.20	-0.000239	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-0.20	-0.000239	±2.5	PASS

The End



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